

## ADDENDUM NO. 1

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TO: ALL BIDDERS OF RECORD  
PROJECT: KELLY ISLAND FAS SITE IMPROVEMENTS  
FWP#: 7133707  
DATE: January 30, 2015  
FROM: Mike Day, Territorial Landworks, Inc.



**Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.**

This Addendum forms a part of the Contract Documents. Clarification and/or Modifications are as follows:

- 1) Clarification – Reminder to Contractors: All Unit Prices must be filled in on the Bid Proposal/Form for a valid bid (18-2-303 MCA).
- 2) Clarification – Contractor **required** to obtain a Storm Water Pollution Prevention Plan (SWPPP) through the Montana Dept. of Environmental Quality.
- 3) Clarification – All other construction permits have been obtained by Montana Fish, Wildlife & Parks.
- 4) Clarification – All in-stream work **must be completed by May 1<sup>st</sup>, 2015** including boat ramp and stream bank restoration construction activities, see Owner furnished Montana Stream Protection Act 124 Permit. This includes installation of all willow cuttings, plantings, temporary irrigation materials, and finish work.
- 5) Clarification – Construction staking is not provided by the Engineer or Owner, see Construction Staking Notes, 1 and 2 on sheet 3 of the Drawings.
- 6) Clarification – Contractor **required** to hire independent testing agency for all quality assurance testing, see Specifications for Work, Technical Provisions, Section 01400, Contractor Quality Control and Quality Assurance.
- 7) Clarification – The seedlings needed for the bank restoration improvements will be available for pickup by April 1<sup>st</sup>.

- 8) Clarification – Cottonwood trees needed for the bank restoration improvements are to be provided by the Contractor.

- 1) Modification – Drawings, Sheet 4 of 6, Demolition Plan:

See sheet for specifics regarding salvage of concrete barrier blocks.

- 2) Modification – Drawings, Sheet 5 of 6, Site Plan:

See sheet for specifics regarding installation of erosion control blanket immediately south of the proposed boat ramp.



- 3) Modification – Drawings, Sheet D1 of D7, Boat Ramp and Stabilized bank Revegetation Plan:

See Detail D for revised revegetation plan layout.

- 4) Modification – Drawings, Sheet D6 of D7, Bank Improvements – Typical Soil Bundle Detail:

See Detail B regarding approved alternative soil bundle construction materials.

- 5) Modification – Drawings, Sheet D6 of D7, Bank Improvements – Toe Stabilization Detail:

See detail C regarding specific type of geotextile to be utilized under the anchor trench rip-rap.

- 6) Modification – Drawings, Sheet D7 of D7, Notes

Note 2 has been revised to reflect the changes to the revegetation plan.

- 7) Modification – Montana Fish, Wildlife & Parks, Specifications For Work, Special Provisions, 13. Construction Surveys:

**Replace** 2. Blue tops every longitudinally and transversely for subgrade and crushed base to verify finish grading course. With:

2. Blue tops shall be provided at 50 FT minimum intervals along the loop road alignment along the centerline and shoulder. In addition to the aforementioned blue tops will also be provided for all grade breaks, PCs, PRCs, and PTs in order to verify finish grading of course.

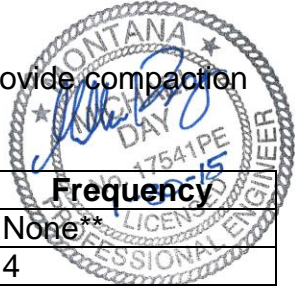
- 8) Modification – Montana Public Works Standard Specifications, Section 02230, Street Excavation, Backfill, and Compaction:

Add the following to Part 3: Execution, Section 3.1 Clearing and Grubbing:

E. Contractor is responsible for flagging of clearing and grubbing limits.  
Engineer must approve of limits prior to start of clearing and grubbing work.

- 9) Modification – Montana Public Works Standard Specifications, Section 02235, Crushed Base Course:

In addition to Section 3.3 Field Density Requirements, provide compaction testing locations and frequency as follows:



Compaction Testing	Location*	Frequency
Subgrade	None**	None**
Crushed Base Course	Access Road (centerline)	4
	Boat Ramp (centerline)	3
	Parking Areas	6
	Sidewalk	1
Asphalt Surface	Access Road (centerline)	2
	Parking Areas	3

\*Station/Offset determined by Engineer

\*\*Proof roll subgrade only for observation by Engineer, prior to geotextile or crushed base course placement

- 10) Modification – Specifications for Work, Technical Provisions, Section 02910, Revegetation, Part 2 Products, 2.8 ~~Containerized Plants~~ Bareroot Seedlings:

**Replace entire section with the following:**

Owner will furnish 450 bareroot seedlings. Contractor responsible for transporting bareroot seedlings to project site from Montana Dept. of Natural Resources Seedling Nursery, 2705 Spurgin Road, Missoula, MT 59804.

Table 3 identifies the planting type, plant size and supplied plant quantities.

<b>Table 3. Bareroot planting mix.</b>			
<b>Species</b>	<b>Common Name</b>	<b>Size*</b>	<b>Number of Plants</b>
Rosa Woodsii	Woods Rose	1-0	100
Cornus Sericia	Red-Osier Dogwood	1-0	150
Salix Exigua	Sandbar Willow	1-0	200

\* 1-0 = 1 year old

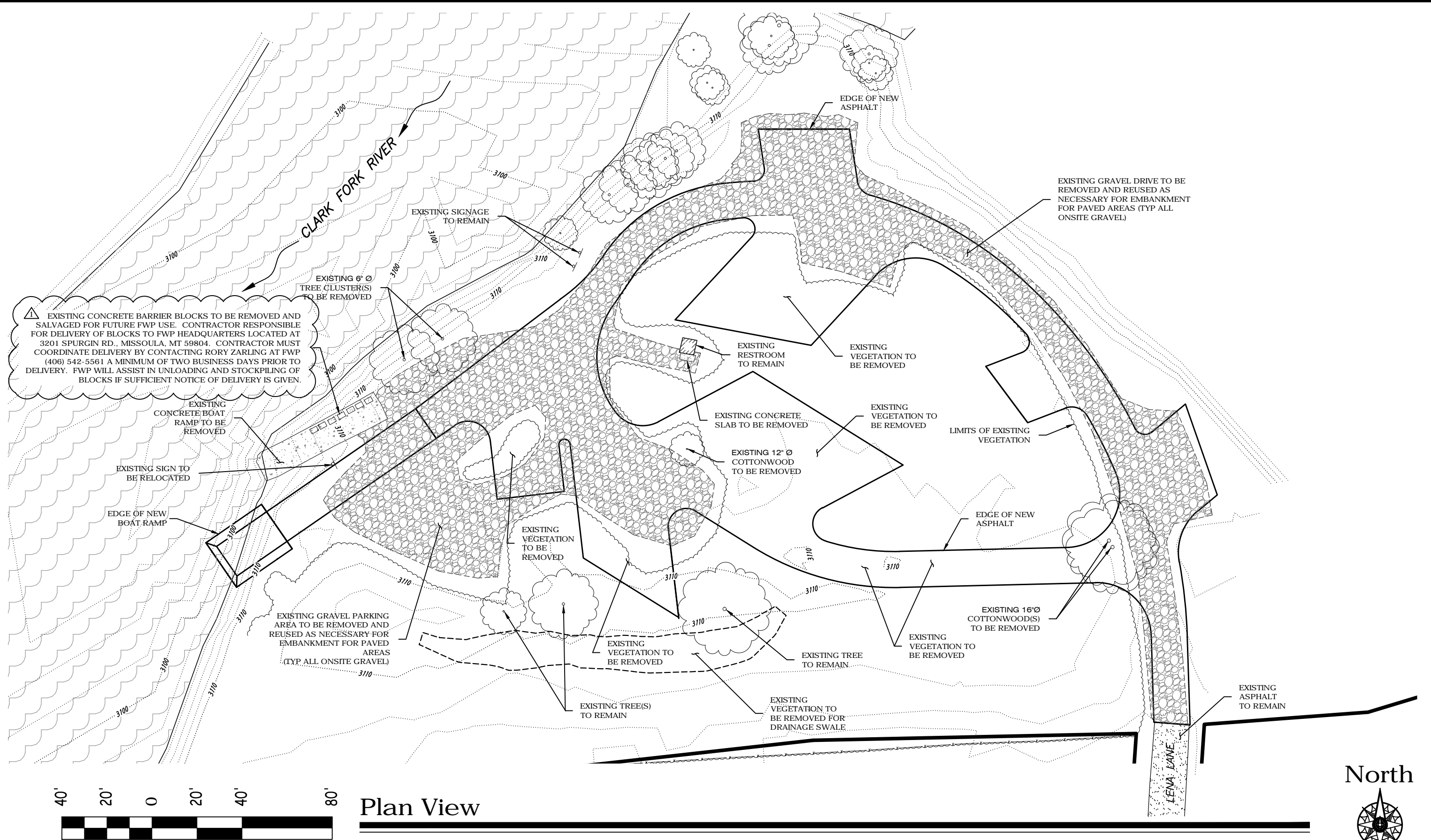
- 11) Modification – Specifications for Work, Technical Provisions, Section 03321, Curb Stops, Part 2 Products, 1.1 Curb Stops A:

**Replace** 84" with **72**" for the minimum length of pre-fabricated curb stops installed.

12) Modification – Specifications for Work, Technical Provisions, Section 03350, Cable Mat:

**Replace** Class 50 and 55 with Class 50s and 55s for the concrete cable mat requirements.





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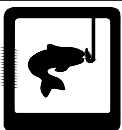
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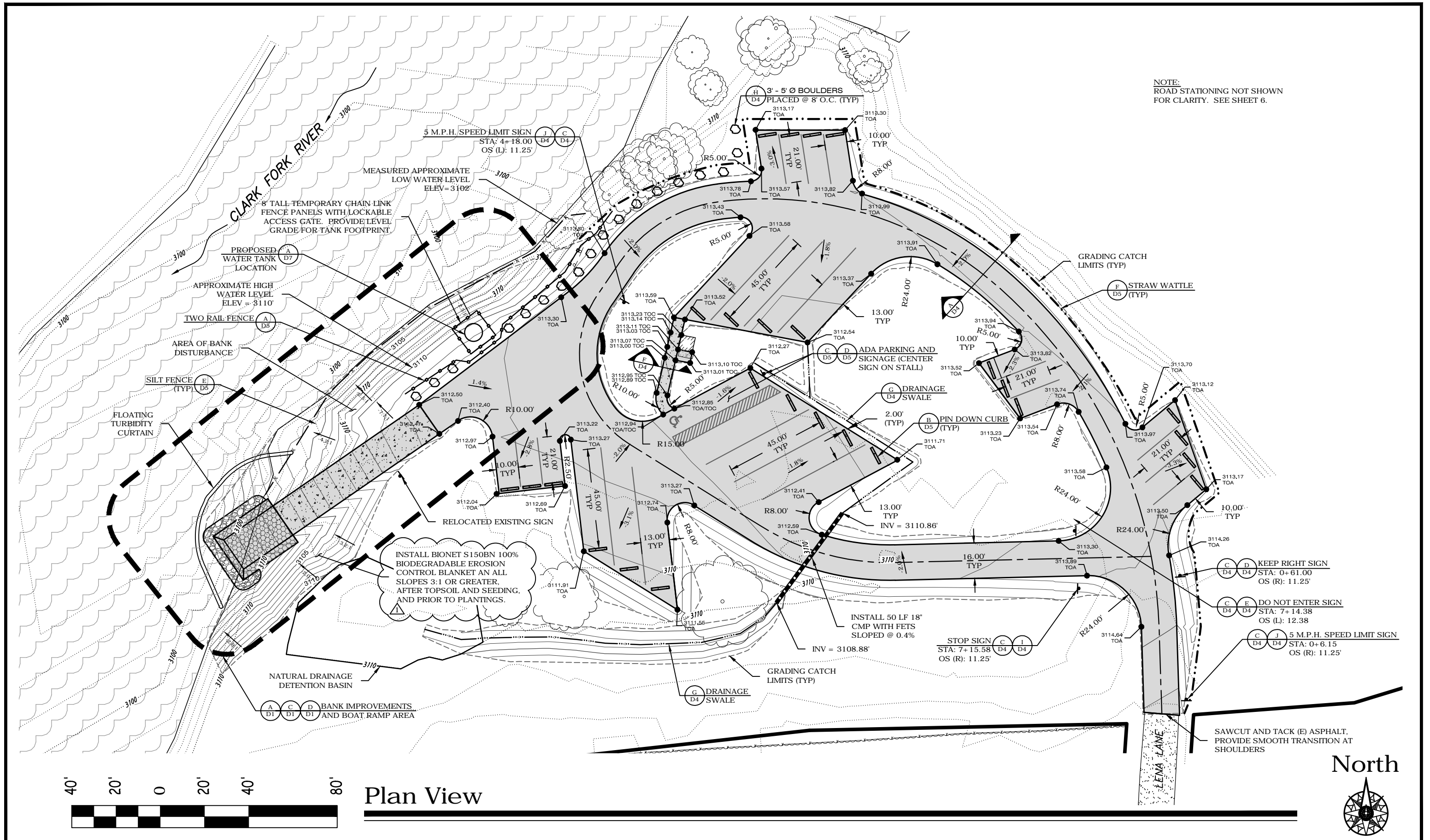


**Montana Fish,  
Wildlife & Parks**

**Demolition Plan**  
Kelly Island FAS (near Missoula, MT)



SHEET:  
4  
of  
6



NOTE:  
ROAD STATIONING NOT SHOWN  
FOR CLARITY. SEE SHEET 6.

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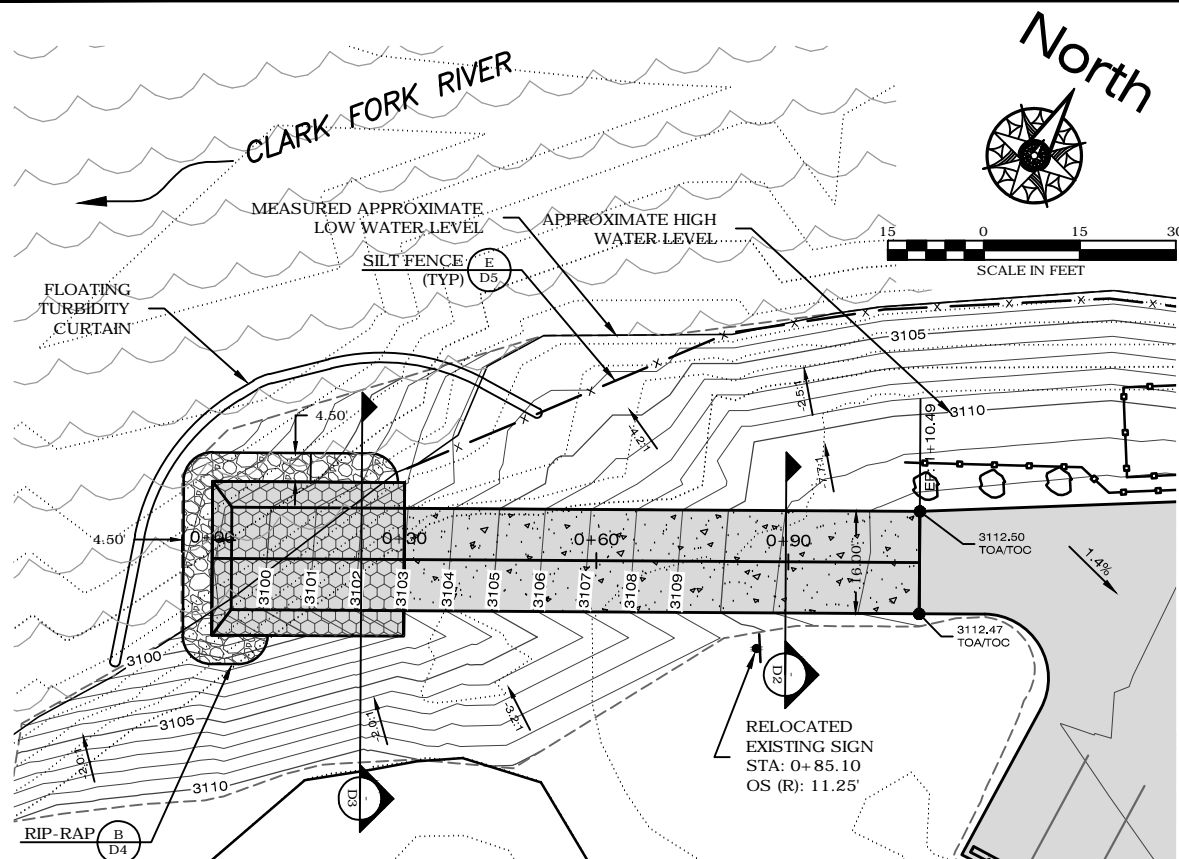
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Site Plan  
Kelly Island FAS (near Missoula, MT)

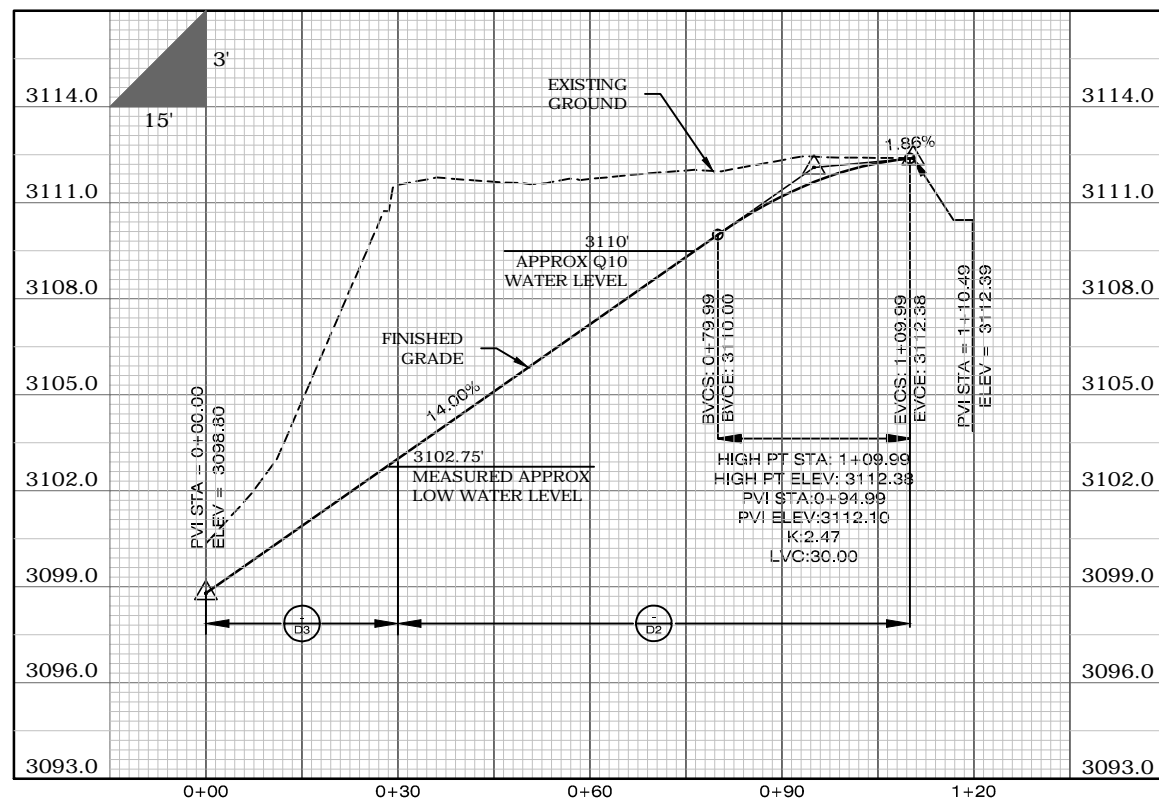
SHEET: 5 of 6





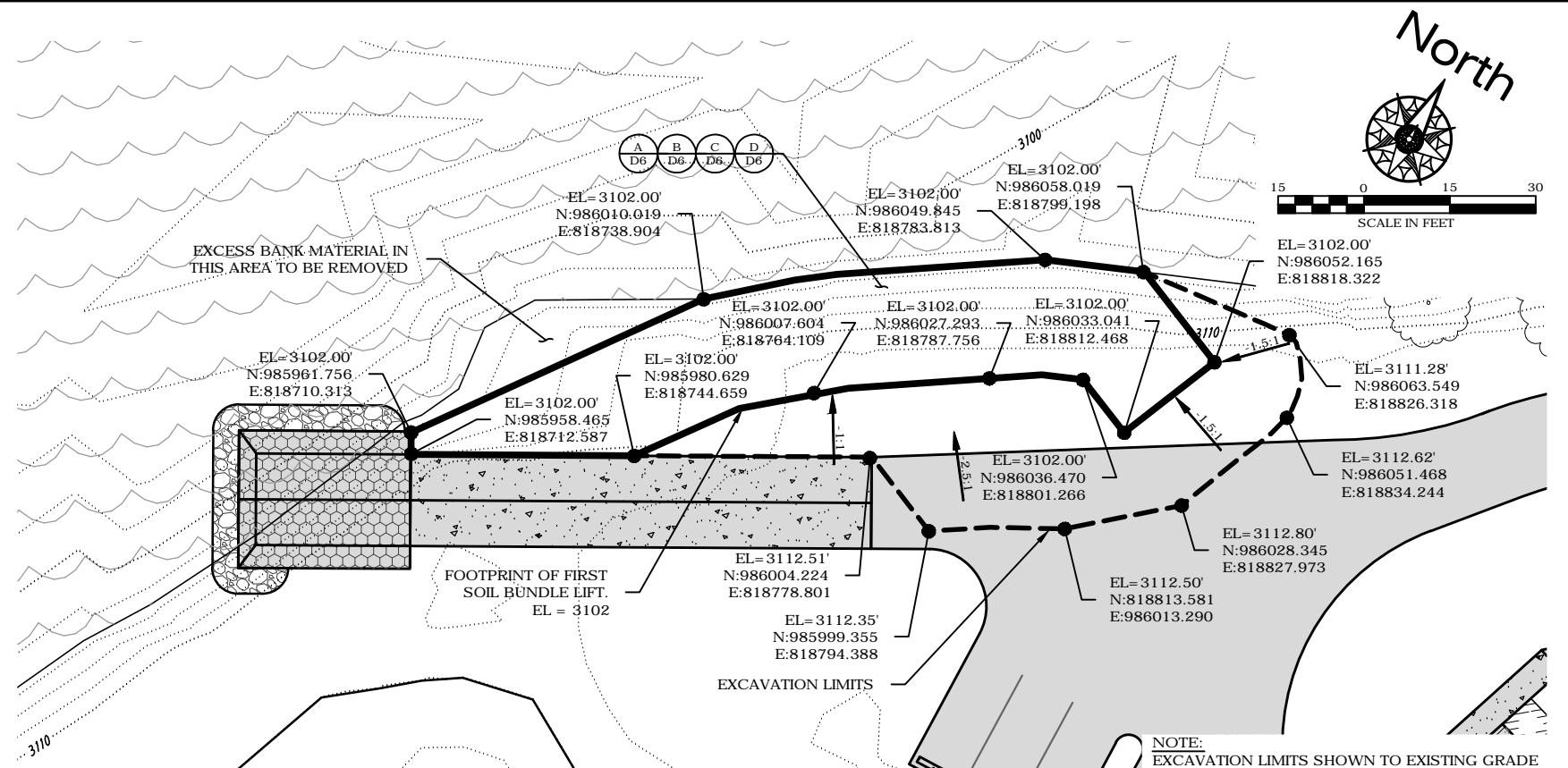
A  
D1

BOAT RAMP PLAN



B  
D1

BOAT RAMP PROFILE

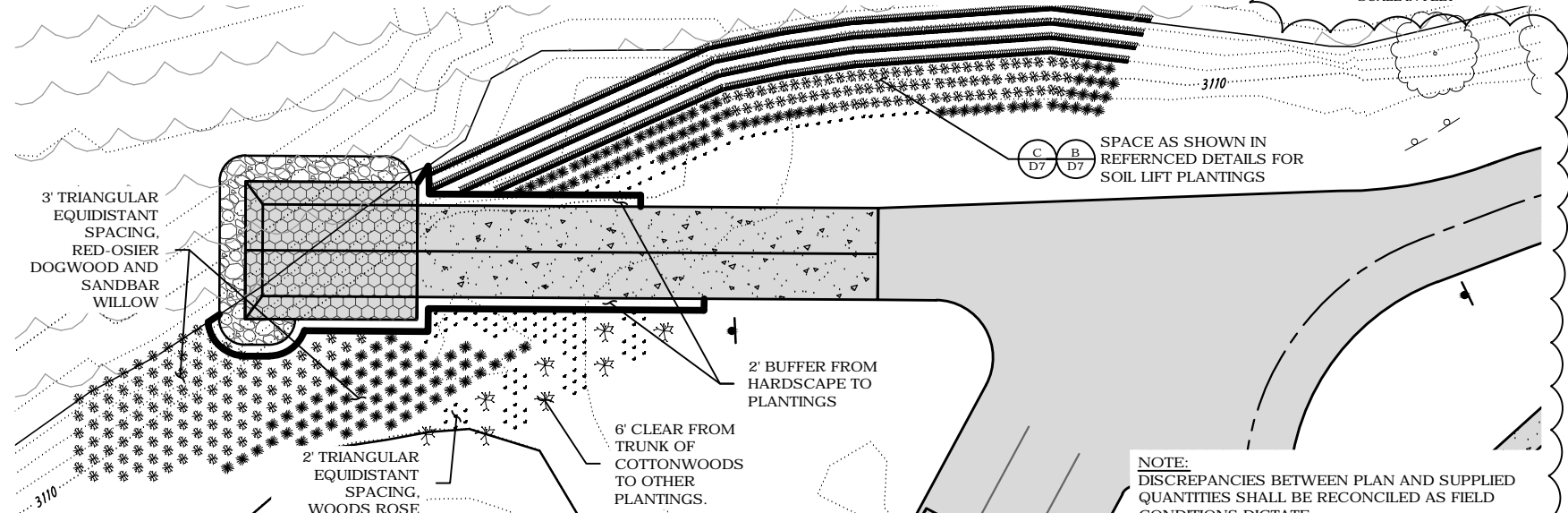


C  
D1

BANK STABILIZATION PLAN

LEGEND

SYMBOL	SPECIES	COMMON NAME	SOURCE	SIZE	PLAN QTY	SUPPLIED QTY
***	SALIX EXIGUA	SANDBAR WILLOW	OWNER SUPPLIED	AS SUPPLIED	186	200
***	CORNUS SERICEA	RED-OSIER DOGWOOD	OWNER SUPPLIED	AS SUPPLIED	138	150
***	ROSA WOODSII	WOODS ROSE	OWNER SUPPLIED	AS SUPPLIED	118	100
***	POPULUS TRIOARPA	BLACK COTTONWOOD	CONTRACTOR SUPPLIED	3 IN CAL	8	8
---	VARIES	WILLOW BUNDLES	CONTRACTOR TO HARVEST	PER SPEC	PER SPEC	PER SPEC



D  
D1

BOAT RAMP AND STABILIZED BANK REVEGETATION PLAN

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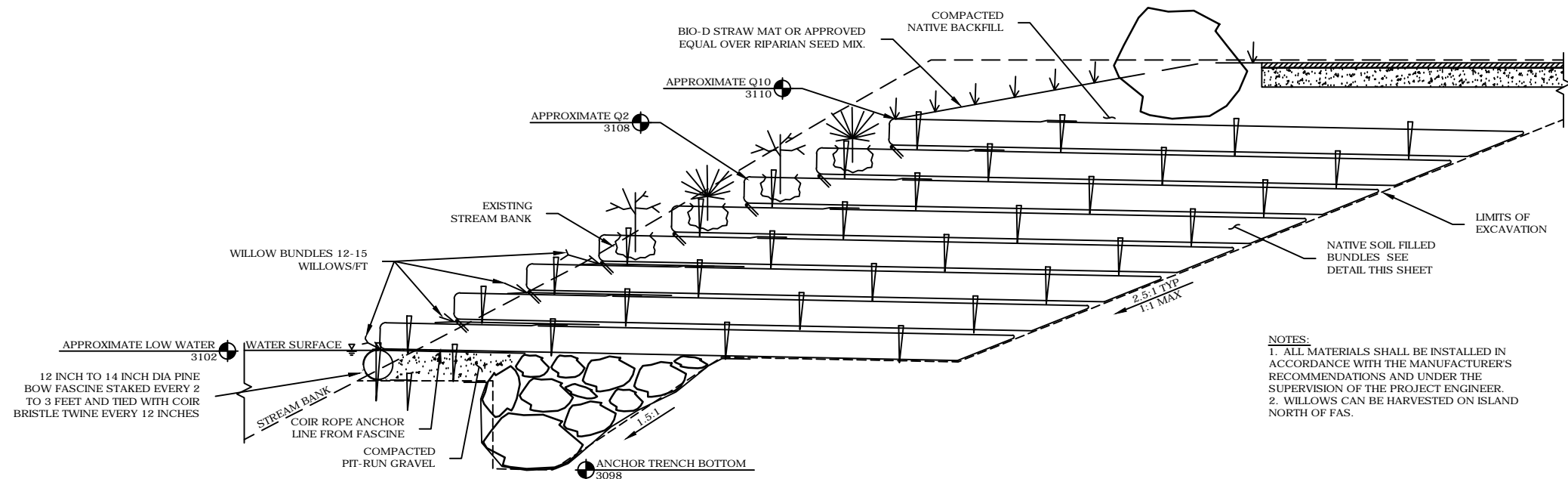
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**Montana Fish & Wildlife**

**Boat Ramp Plan and Profile Sheet**  
Kelly Island FAS (near Missoula, MT)

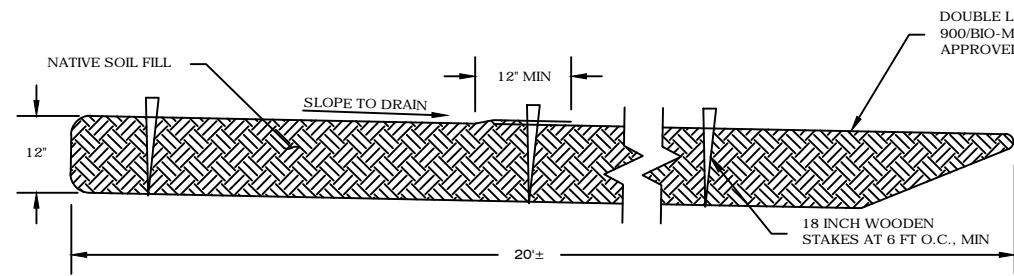
SHEET: D1 of D7



NOTES:  
1. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND UNDER THE SUPERVISION OF THE PROJECT ENGINEER.  
2. WILLOWS CAN BE HARVESTED ON ISLAND NORTH OF FAS.

**A**  
D6 STEAMBANK DETAIL

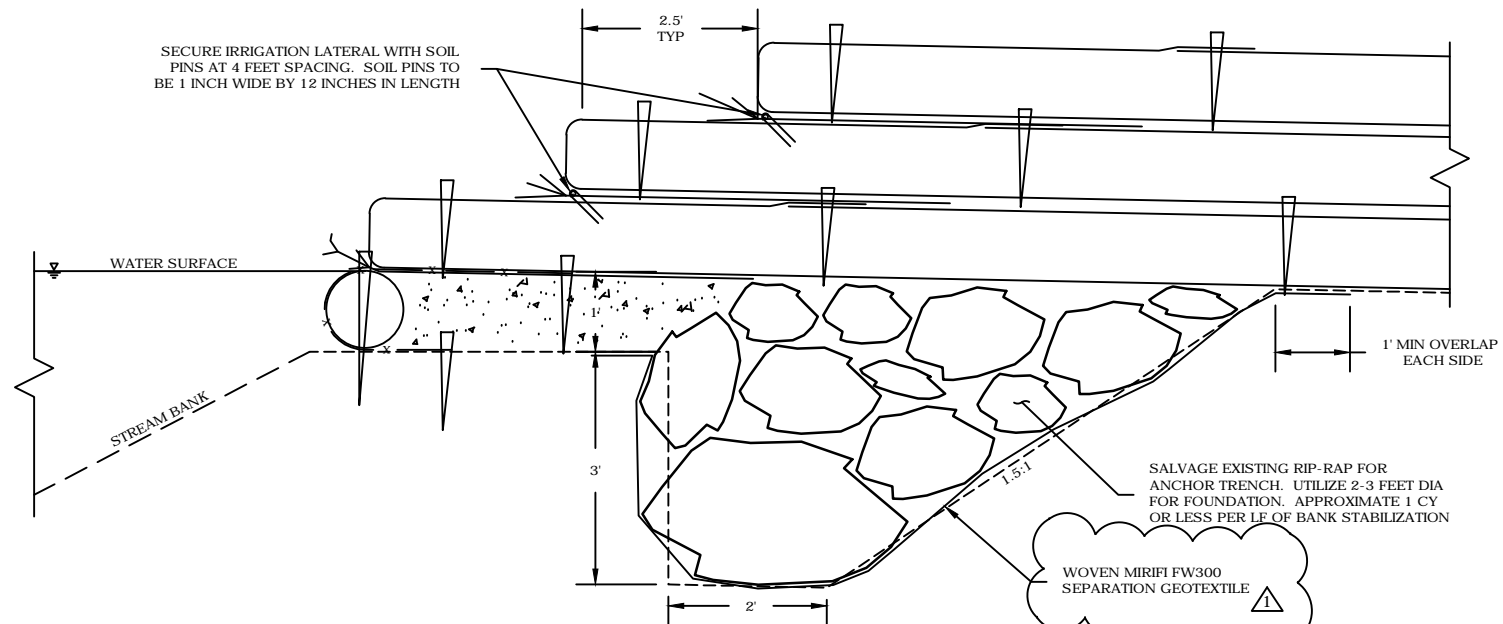
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NOTES:  
CONTRACTOR MAY CONSTRUCT FACE OF SOIL BUNDLES USING ROLANKA BIOD-BLOCK 12-300 OR ROLANKA BIOD-ROLL 30H PRODUCTS INSTALLED IN ACCORDANCE WITH MFR RECOMENDATIONS.

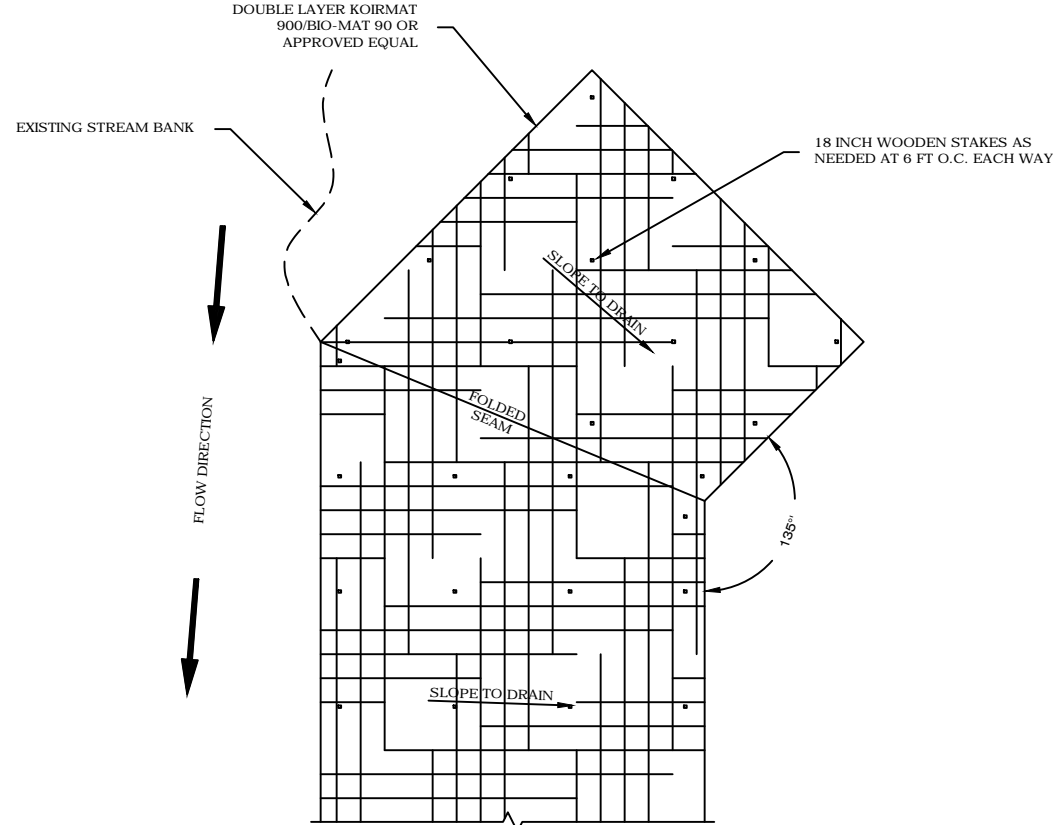
**B**  
D6 TYPICAL SOIL BUNDLE DETAIL

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**C**  
D6 BANK IMPROVMENTS-TOE STABILIZATION DETAIL

NOT TO SCALE



**D**  
D6 TYPICAL SOIL BUNDLE END DETAIL

NOT TO SCALE

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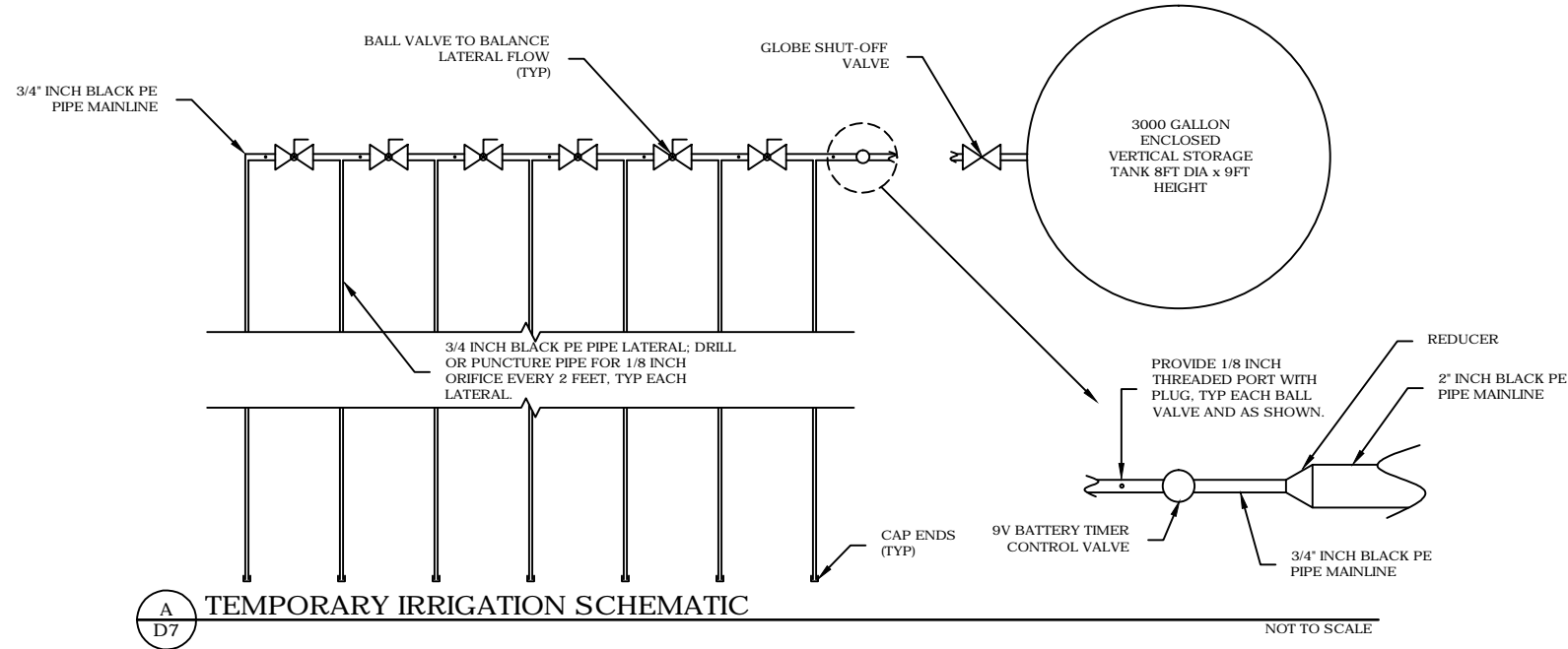


**Montana Fish,  
Wildlife & Parks**

**DETAILS**  
Kelly Island FAS (near Missoula, MT)

SHEET: **D6  
of  
D7**





## NOTES

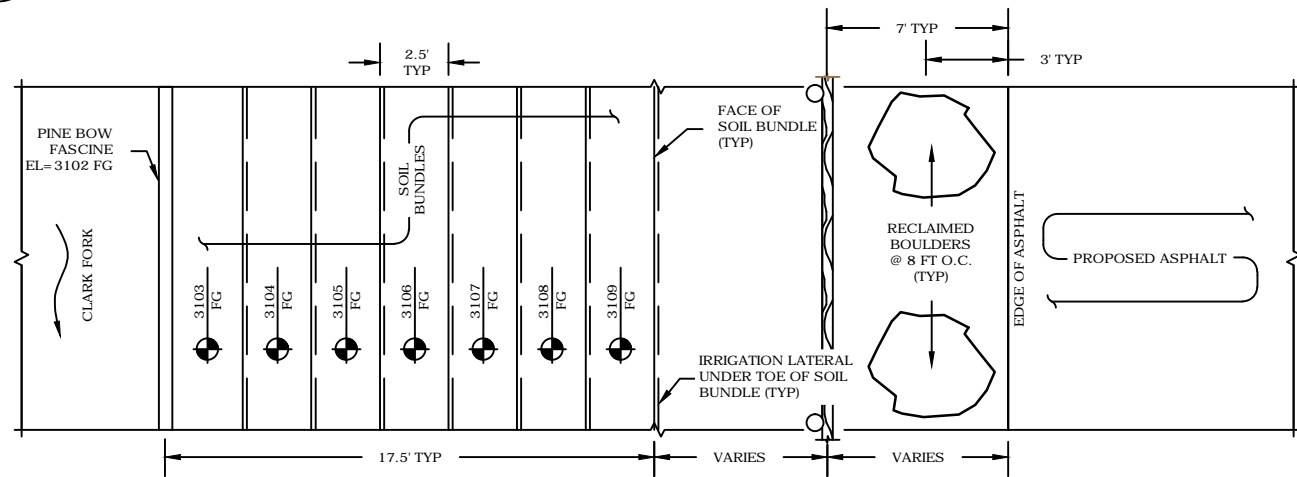
### 1. TABLE 1. SEED MIX

SEED NAME	% PURE LIVE SEED	LBS. PER ACRE
WESTERN WHEAT GRASS	30	*
STREAMBANK WHEATGRASS	20	*
HARD FESCUE	20	*
SLENDER WHEATGRASS	15	*
SMOOTH BROMEGRASS	15	*

\*DRILLED RATE = 25 LBS/ACRE, BROADCAST AND HYDROSEED RATE = 50 LBS/ACRE

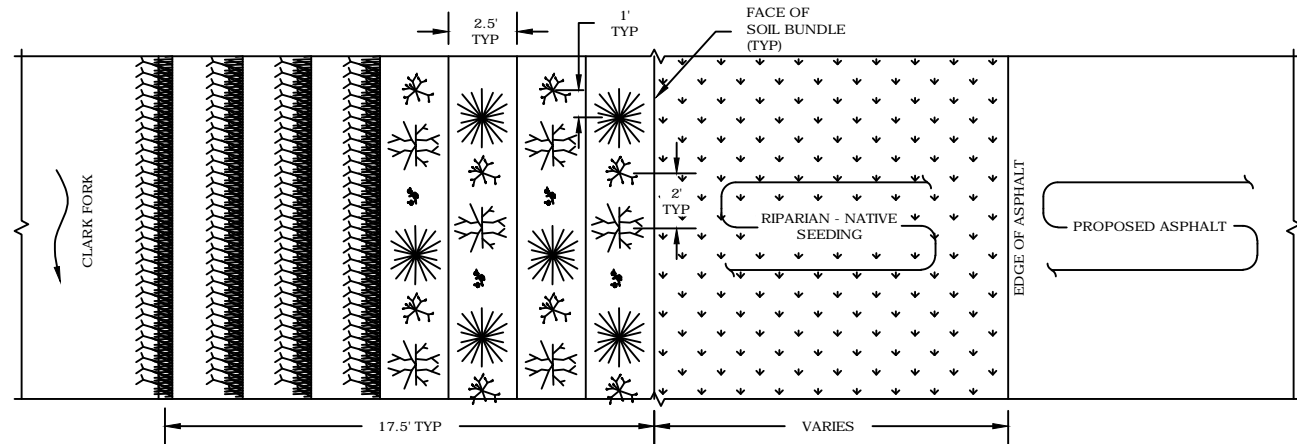
### 2. PLANT SPECIES LOCATION SCHEMATIC IN NATURE. SEE DETAIL D ON SHEET D1 FOR PLANT GROUPINGS AND PLAN LOCATION.

1



## TYPICAL BANK IMPROVEMENTS LAYOUT

NOT TO SCALE



## TYPICAL BANK IMPROVEMENT REVEGETATION PLAN

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## LEGEND



WOODS ROSE



BLACK COTTONWOOD



SUCCULENT HAWTHORN



RED OSIER DOGWOOD



HARVESTED WILLOW BUNDLES



RIPARIAN - NATIVE SEED MIX

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**Montana Fish,  
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## DETAILS

Kelly Island FAS (near Missoula, MT)

SHEET: D7  
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D7